

# Technical Data

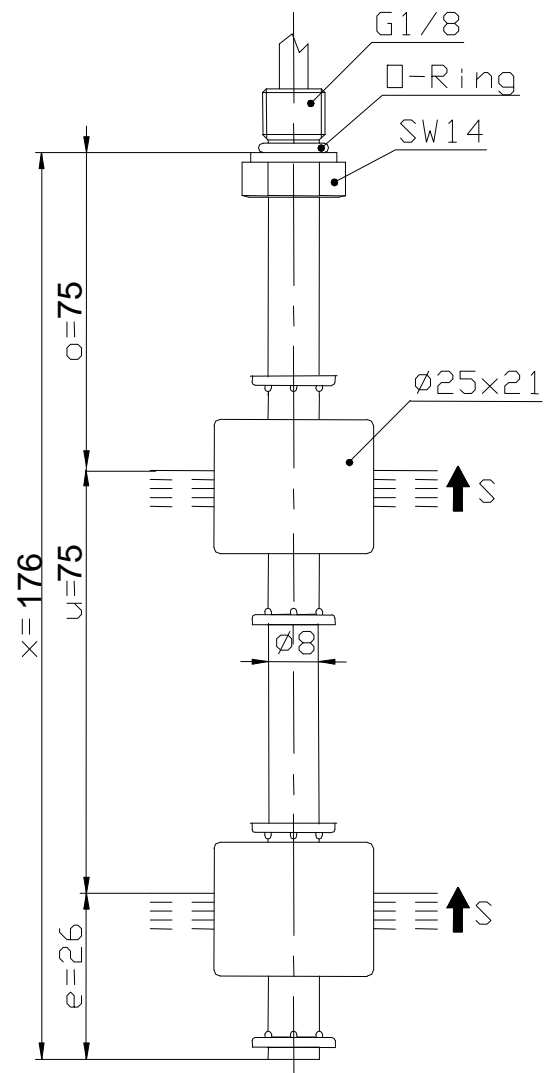
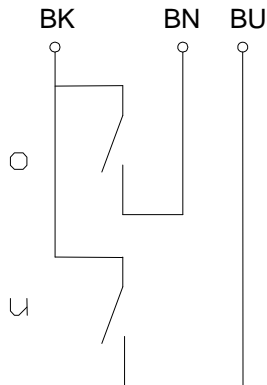
## Float Switch

### Mini-level float switches

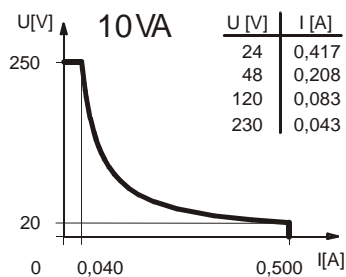
Description **MSK2-PVC-R1/8-2S 0176**

Article number **6891321019**

Wiring diagram  
(none activated condition)



Performance diagram



### Electrical data

max. switching voltage	250 V
max. switching current	0,5 A
max. switching capacity	10 VA
mechanical life	10 <sup>7</sup> to 10 <sup>9</sup> switches depending on the load
Switching element	2 NO, rising level
protection class	II, totally insulated

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### Mechanical data

Hexagon nut material	PVC
Screw connection material	PVC
Switching tube material	PVC
Float material	PVC
-density	$\approx 0,7 \text{ g/cm}^3 \pm 10\%$
-depth of immersion	17 mm $\pm 2$ mm (to a fluid-density of 1 g/cm <sup>3</sup> )
Adjusting ring material	PVC
Gasket material	NBR
Ambient air temperature	-5°C to +60°C
Liquid temperature	-5°C to +60°C
Connection	cabel 3 x 0,34 mm <sup>2</sup> x 0,5 m $\pm 5$ %, PVC
Protection type	IP 65 acc to DIN VDE 0470 T1
Max. pressure	5 bar

### General details

Repeatability of switching points is  $\pm 0,05$ mm based on the same geometrical conditions as of a switch device.

The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.

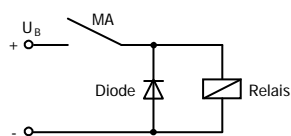
The tolerance of the switching points is  $\pm 2$ mm

Maximum data must not be exceeded!

Pay attention to the contact protection, when switching inductive and capacitive loads.

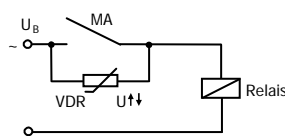
### Inductive loads

Direct current

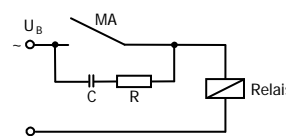


Suppression of voltage peaks with a free-wheeling diode

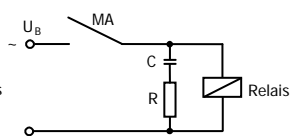
Alternating voltage



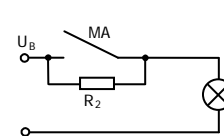
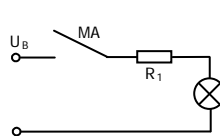
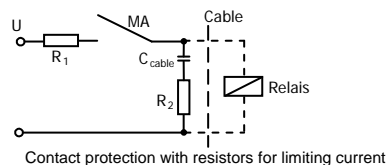
Suppression of voltage peaks with a VDR



Suppression of voltage peaks with an RC element



### Capacitive loads and lamp loads



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